

In the Claims:

Please amend the claims as follows:

1. - 9. (Cancelled)

10. (Currently Amended) A position measuring instrument according to claim

[[9]]15, wherein:

a light-receiving unit has a collimation center, with a deviation of position of reflection light for the collimation center, and wherein the direction of the reflector is obtained from a rotating position of an angle of detection at said reflective light is received, and based of a measured distance a position of said reflector.

11. (Previously Presented) A position measuring instrument according to claim 10, for obtaining a direction and distance of the reflector in rotating irradiation extended, by means of measuring the distance corresponding to a plurality of reflectors.

12. (Currently Amended) A position measuring instrument according to claim [[9]]15, wherein a sending set sends a referenced data to an individual reflector, and based on a plurality of detection, transmit measurement data referenced to a reflected reflector.

13. (Currently Amended) A position measuring instrument according to claim [[9]]15, wherein a light receiving unit forms a camera tube, and image data captured by the camera tube is referred to the position data.

14. (Currently Amended) A position measuring instrument according to claim [[9]]15, wherein a light-receiving unit forms a camera tube, and image data captured by the camera tube is revised based on the difference between image data emitted, reversed detected light, and image data without detecting image data.

15. (Newly Presented) A position measuring instrument that irradiates a reflector with measuring light to determine a distance to the reflector on the basis of reflected light, comprising:

a rotating unit comprising a rotating mirror and means for expanding the measuring light in a fan-shaped manner, and a fixed unit comprising a distance-detection light emitting unit, a distance-detection light receiving unit and an angle detector detecting the horizontal angle position of the rotating mirror, whereby the measuring light of fan-shape is guided from the fixed unit via the rotating mirror horizontally to the reflector and the measuring light reflected by the reflector is guided via the rotary mirror back to the fixed unit.